



Environmental & Technical Services Limited
Unit 7 Millbrook Business Park, Hoe Lane,
Nazeing, Essex EN9 2RJ
Tel: +44 (0)1992 899440
Fax: +44 (0)1992 899441
Email: climatic@ets.co.uk Web: www.ets.co.uk



Specialist Suppliers to the Environmental Industry

MULTI-PURPOSE LARGE CAPACITY OVENS



Model Shown – LCO/1250H/TDIG/AWA



Model Shown – LCO/750V/TDIG

The range of Large Capacity Ovens offers a selection of highly efficient, reliable and cost effective ovens to suit most warming, drying and heat treatment processes. They feature a touch screen control system which offers intuitive control and excellent accuracies designed for industrial and laboratory ovens.

Features

- 8 sizes 250 to 1000 litres (single door design)
- 9 sizes 250 to 1250 litres (twin door design)
- Temperature range 50°C to 250°C
- On screen historical trending (48 hours)
- 8 Stage profile control
- Count down timer
- 24/7 real time clock operation
- Manual or automatic overheat reset
- High accuracy Pt100B duplex sensors <math><0.8^{\circ}\text{C}</math>
- Fan assisted circulation
- Excellent stability <math><\pm 0.6^{\circ}\text{C}</math>
- Low chamber uniformity

Options

- Stainless steel chamber
- Audible warnings
- Explosion relief panels
- Access ports (25, 50, 75 or 100mm)
- Traceable calibration to National Standards
- Bespoke stands and stacking kits
- Extractor unit
- Bespoke solutions available upon request
- Castor wheels (fitted as standard above 425L versions)



Design

The exterior is constructed from sheet steel, finished in an easy clean powder coated paint. The interior chamber is made from mild steel coated with aluminium (CLAD), with a stainless steel chamber available as an option. They are fitted with fixed shelf runners and removable chrome plated wire grid shelves. The vertical style units are fitted with single doors, the horizontal style units are fitted with twin doors.

Heating

Heated by Incoloy sheathed elements positioned in the side fan duct for all units except the 250H and 350H, which have a base fan duct.

Controls

The control system comprises of a bespoke touch screen user interface that offers both accurate temperature control and an integral overheat system by using 2 individual PT100 sensors. Advanced features can be turned on and off to suit bespoke heating applications and tailored to customer preference. Oven trending is displayed for up to 48 hours and optional upgrades are available for alarm outputs.



Sizes and Specifications

Model	Capacity* (litres)	Internal Dims (H x W x D cms)	External Dims (H x W x D cms)	Shelves/ Positions	Wattage	Voltage	Weight (kg)
Horizontal Style with Twin Doors.....							
LCO/250H/TDIG	220	54 x 92 x 44	94 x 109 x 57	3--4	2000	230	96
LCO/350H/TDIG	320	54 x 92 x 64	94 x 109 x 77	3--4	2500	230	125
LCO/425H/TDIG	450	76 x 92 x 64	107 x 144 x 81	4--5	3000	230	140
LCO/500H/TDIG	535	91 x 92 x 64	127 x 144 x 81	5--7	3000	230	180
LCO/650H/TDIG	645	91 x 92 x 77	127 x 160 x 95	5--7	6000	415	300
LCO/750H/TDIG	750	106 x 92 x 77	142 x 160 x 95	5--8	6000	415	320
LCO/850H/TDIG	865	122 x 92 x 77	158 x 160 x 95	5--9	6000	415	340
LCO/1000H/TIDG	1005	142 x 92 x 77	178 x 160 x 95	5--11	6000	415	360
LCO/1250H/TDIG	1280	142 x 122 x 74	178 x 190 x 95	5--11	6000	415	390
Vertical Style with Single Door.....							
LCO/250V/TDIG	240	91 x 51 x 52	117 x 98 x 69	5--7	2000	230	90
LCO/350V/TDIG	345	91 x 61 x 62	117 x 108 x 79	5--7	2500	230	120
LCO/425V/TDIG	425	91 x 61 x 77	127 x 113 x 94	5--7	3000	230	150
LCO/500V/TDIG	535	114 x 61 x 77	150 x 113 x 94	5--9	3000	230	165
LCO/650V/TDIG	675	114 x 77 x 77	150 x 145 x 95	5--9	6000	415	280
LCO/750V/TDIG	760	128 x 77 x 77	164 x 145 x 95	5--10	6000	415	300
LCO/850V/TDIG	840	142 x 77 x 77	178 x 145 x 95	5--11	6000	415	320
LCO/1000V/TIDG	1005	142 x 77 x 92	178 x 145 x 110	5--11	6000	415	340

Ordering

All units have CLAD interior with touch screen interface as standard

Where options are required simply add the option code to the original reference.

e.g. LCO/1250/TDIG with stainless steel interior and audible alarm becomes LCO/1250/TDIG/SS/AWA.

Contact sales for bespoke options.

Option Codes

Stainless Steel Chamber – SS

Access Ports – AP

Extractor Systems – EXT

Stands/Stacking Kits - STAND

Audible Warning – AWA

Traceable Calibration – SPC

Explosion Relief Panels – EXP

Castor Wheels (250 – 350 models only) - 1108